WEST Search History

DATE: Monday, December 30, 2002

Set Name side by side		Hit Count	Set Name result set
DB = USF	PT,PGPB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;		
OP = ADJ			
L4	(cyclosporin same analog?) and MeLeu	26	L4
L3	L2 and MeLeu	3	L3
L2	(cyclosporin same analog?) and (pharmaceutical same carrier?)	105	L2
L1	5427960.pn.	2	L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 26 of 26 returned.

1. Document ID: US 20020156125 A1

L4: Entry 1 of 26

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156125

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020156125 A1

TITLE: Method and compositions for administering taxanes orally to human patients

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Broder, Samuel Weston FL US
Duchin, Kenneth L. Fort Lauderdale FL US

Selim, Sami Irvine CA US

US-CL-CURRENT: 514/449

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMIC Draw Desc Image

2. Document ID: US 20020142946 A1

L4: Entry 2 of 26

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142946

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020142946 A1

TITLE: Cyclosporins for the treatment of respiratory diseases

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Or, Yat Sun Cambridge MA US Lazarova, Tsvetelina Brookline MA US

US-CL-CURRENT: 514/9; 530/317

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

3. Document ID: US 20020058616 A1

L4: Entry 3 of 26 File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058616

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020058616 A1

TITLE: Method, compositions and kits for increasing the oral bioavailability of

pharmaceutical agents

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Broder, Samuel Weston FL US
Duchin, Kenneth L. Fort Lauderdale FL US
Selim, Sami Irvine CA US

US-CL-CURRENT: 514/9; 514/154, 514/254.07, 514/255.06, 514/263.31, 514/282, 514/283, 514/305, 514/54

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. Desc Image

4. Document ID: US 6444643 B1

L4: Entry 4 of 26

File: USPT

Sep 3, 2002

US-PAT-NO: 6444643

DOCUMENT-IDENTIFIER: US 6444643 B1

TITLE: Methods of using inhibitors of cyclophilin rotamase activity to affect

neurological activity

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Steiner; Joseph P. Finksburg MD Hamilton; Gregory S. Catonsville MD Snyder; Solomon H. Baltimore MD

US-CL-CURRENT: 514/11; 514/12, 514/2

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

5. Document ID: US 6395770 B1

L4: Entry 5 of 26

File: USPT

May 28, 2002

US-PAT-NO: 6395770

DOCUMENT-IDENTIFIER: US 6395770 B1

TITLE: Method and compositions for administering taxanes orally to human patients

DATE-ISSUED: May 28, 2002

INVENTOR - INFORMATION:

FL

FL

NAME CITY STATE ZIP CODE COUNTRY

Broder; Samuel Weston
Duchin; Kenneth L. Fort Lauderdale

Selim; Sami Irvine CA

US-CL-CURRENT: 514/449; 514/11

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw Desc Image

6. Document ID: US 6316405 B1

L4: Entry 6 of 26 File: USPT Nov 13, 2001

US-PAT-NO: 6316405

DOCUMENT-IDENTIFIER: US 6316405 B1

TITLE: Cyclosporin a conjugates and uses therefor

DATE-ISSUED: November 13, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rich; Daniel H. Madison WI Solomon; Michael E. Arlington MA

US-CL-CURRENT: 514/9; 435/7.1, 514/12, 514/14, 514/2, 530/317, 530/326, 530/327

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw Desc Image

7. Document ID: US 6270957 B1

L4: Entry 7 of 26 File: USPT Aug 7, 2001

US-PAT-NO: 6270957

DOCUMENT-IDENTIFIER: US 6270957 B1

TITLE: Non-Imuunosuppressive cyclosporins and their use in the prevention and

treatment of HIV infection

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rich; Daniel H. Madison WI Solomon; Michael E. Arlington MA

US-CL-CURRENT: 435/5; 424/278.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw Desc Image

8. Document ID: US 6245805 B1

L4: Entry 8 of 26 File: USPT Jun 12, 2001

Record List Display

US-PAT-NO: 6245805

DOCUMENT-IDENTIFIER: US 6245805 B1

TITLE: Method, compositions and kits for increasing the oral bioavailability of

pharmaceutical agents

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME

Weston

Broder; Samuel Duchin; Kenneth L.

Fort Lauderdale FL

Selim; Sami

CA Irvine

US-CL-CURRENT: 514/449

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

9. Document ID: US 5968972 A

L4: Entry 9 of 26

File: USPT

FL

Oct 19, 1999

US-PAT-NO: 5968972

DOCUMENT-IDENTIFIER: US 5968972 A

TITLE: Method for increasing the oral bioactivity of pharmaceutical agents

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

ZIP CODE COUNTRY STATE NAME CITY

Broder; Samuel

Fort Lauderdale Fort Lauderdale

Duchin; Kenneth L.

FL

Selim; Sami

CA Irvine

US-CL-CURRENT: 514/449; 514/11

KMC Draw Desc Image Full Title Citation Front Review Classification Date Reference Sequences Attachments

☐ 10. Document ID: US 5948693 A

L4: Entry 10 of 26

File: USPT

FL

Sep 7, 1999

US-PAT-NO: 5948693

DOCUMENT-IDENTIFIER: US 5948693 A

TITLE: Solid phase synthesis of immunosuppressive agents

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rich; Daniel H. Madison WI Raman; Prakash Madison WI

Angell; Yvonne M. Madison WI

US-CL-CURRENT: 436/518; 436/523, 530/317, 530/328, 530/333, 530/334, 530/335

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw Desc Image

11. Document ID: US 5750413 A

L4: Entry 11 of 26

File: USPT

May 12, 1998

US-PAT-NO: 5750413

DOCUMENT-IDENTIFIER: US 5750413 A

TITLE: Immunoassay reagents and method for determining cyclosporine

DATE-ISSUED: May 12, 1998

INVENTOR-INFORMATION:

ZIP CODE COUNTRY CITY STATE NAME Grayslake $_{
m IL}$ Morrison; Marjorie A. Waukegan ILLunetta; Steven E. Chicago ILMeucci; Victoria P. Chicago ILZajac; Mariola B. Simpson; Elizabeth A. Skokie IL

US-CL-CURRENT: 436/537; 436/546, 436/815

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw Desc Image

11. Document ID: US 5639852 A

L4: Entry 12 of 26

File: USPT

Jun 17, 1997

US-PAT-NO: 5639852

DOCUMENT-IDENTIFIER: US 5639852 A

TITLE: Immunostimulatory agents

DATE-ISSUED: June 17, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rich; Daniel H. Madison WI Malkovsky; Miroslav Madison WI Angell; Yvonne M. Madison WI

US-CL-CURRENT: 530/317; 424/278.1, 530/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw Desc Image

13. Document ID: US 5489668 A

L4: Entry 13 of 26

File: USPT Feb 6, 1996

US-PAT-NO: 5489668

DOCUMENT-IDENTIFIER: US 5489668 A

TITLE: Immunoassay reagents and method for determining cyclosporine

DATE-ISSUED: February 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morrison; Marjorie A.	Grayslake	IL		
Lunetta; Steven E.	Waukegan	$_{ m IL}$		
Meucci; Victoria P.	Chicago	IL		
Zajac; Mariola B.	Chicago	IL		
Simpson; Elizabeth A.	Skokie	$_{ m IL}$		

US-CL-CURRENT: 530/321; 530/317

Full	Title	Citation Front	Review Classificatio	n Date Reference	: Sequences A	Attachments	KWMC Draw	Vesc Image	
	14.	Documen	t ID: US 542	7960 A					

14. Document 1D: US 342/900 A

L4: Entry 14 of 26

File: USPT

Jun 27, 1995

US-PAT-NO: 5427960

DOCUMENT-IDENTIFIER: US 5427960 A

TITLE: Fluorescence polarization assay for cyclosporin A and metabolites and related immunogens and antibodies

DATE-ISSUED: June 27, 1995

INVENTOR-INFORMATION:

STATE ZIP CODE COUNTRY CITY NAME IL -Wang; Nai-Yi Mundelein Wang; Philip P. Libertyville IL Morrison; Marjorie A. Grayslake IL

US-CL-CURRENT: 436/536; 436/501, 436/546, 436/805, 436/815, 530/321

Full Title Citation Front Review Classification	Date Reference Sequences Attachments	KIMC Draw. Desc Image
[] 15. Document ID: US 5236	299 Д	
L4: Entry 15 of 26	File: USPT	Aug 17, 1993

US-PAT-NO: 5236899

DOCUMENT-IDENTIFIER: US 5236899 A

TITLE: 6-position cyclosporin a analogs as modifiers of cytotoxic drug resistance

DATE-ISSUED: August 17, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Durette; Philippe L.

New Providence

ŊJ

US-CL-CURRENT: 514/11; 514/885, 514/908, 514/922, 514/970, 530/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWMC Draw Desc Image

☐ 16. Document ID: US 5227467 A

L4: Entry 16 of 26

File: USPT

Jul 13, 1993

US-PAT-NO: 5227467

DOCUMENT-IDENTIFIER: US 5227467 A

TITLE: Immunosuppressive fluorinated cyclosporin analogs

DATE-ISSUED: July 13, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Durette; Philippe L.

New Providence Colonia

ŊJ NJ

Pessolano; Arsenio A. Kollonitsch; Janos

Westfield

N₂T

US-CL-CURRENT: 530/321; 530/317

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

17. Document ID: US 5214130 A

L4: Entry 17 of 26

File: USPT

May 25, 1993

US-PAT-NO: 5214130

DOCUMENT-IDENTIFIER: US 5214130 A

TITLE: Synthesis of novel immunosuppressive cyclosporin analogs with modified amino

acids at position-8

DATE-ISSUED: May 25, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Patchett; Arthur A.

Westfield

ŊJ

Taub; David

Metuchen

NJ

Goegelman; Robert T.

Linden

NJ

US-CL-CURRENT: 530/333; 530/317, 530/334, 530/335

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw, Desc Image

18. Document ID: US 5122511 A

L4: Entry 18 of 26

File: USPT

Jun 16, 1992

US-PAT-NO: 5122511

DOCUMENT-IDENTIFIER: US 5122511 A

TITLE: Immunosuppressive cyclosporin analogs with modified amino acids at position-8

DATE-ISSUED: June 16, 1992

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Patchett; Arthur A. Westfield NJ Taub; David Metuchen NJ Goegelman; Robert T. Linden NJ

US-CL-CURRENT: 514/11; 530/317, 530/321

Full Ti	le Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw, Desc	Image

19. Document ID: US 4914188 A

L4: Entry 19 of 26

File: USPT

Apr 3, 1990

US-PAT-NO: 4914188

DOCUMENT-IDENTIFIER: US 4914188 A

TITLE: Novel 6-position cyclosporin analogs as non-immunosuppressive antagonists of

cyclosporin binding to cyclophilin

DATE-ISSUED: April 3, 1990

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Dumont; Francis J. Rahway NJ
Durette; Philippe L. New Providence NJ
Pessolano; Arsenio A. Colonia NJ
Boger; Joshua S. Westfield NJ
Sigal; Nolan H. Westfield NJ

US-CL-CURRENT: 530/317; 530/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

20. Document ID: US 4885276 A

L4: Entry 20 of 26

File: USPT

Dec 5, 1989

US-PAT-NO: 4885276

DOCUMENT-IDENTIFIER: US 4885276 A

TITLE: Cyclosporin analogs with modified "C-9 amino acids"

DATE-ISSUED: December 5, 1989

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Witzel; Bruce E.

Westfield

NJ

US-CL-CURRENT: 514/11; 530/317, 530/321

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

17 21. Document ID: US 4798823 A

L4: Entry 21 of 26

File: USPT

Jan 17, 1989

US-PAT-NO: 4798823

DOCUMENT-IDENTIFIER: US 4798823 A

TITLE: New cyclosporin analogs with modified "C-9 amino acids"

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Witzel; Bruce E.

Westfield

US-CL-CURRENT: 514/11; 530/317, 930/190, 930/20, 930/21, 930/270, 930/DIG.546

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw, Desc Image

22. Document ID: US 4554351 A

L4: Entry 22 of 26

File: USPT

Nov 19, 1985

US-PAT-NO: 4554351

DOCUMENT-IDENTIFIER: US 4554351 A

TITLE: Method for the total synthesis of cyclosporins, novel cyclosporins and novel

intermediates and methods for their production

DATE-ISSUED: November 19, 1985

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Wenger; Roland

Riehen

CH

US-CL-CURRENT: 544/177; 546/216, 546/219, 560/163, 560/170, 562/567, 930/190, 930/20, 930/21, 930/270, 930/DIG.549, 930/DIG.782, 930/DIG.802, 930/DIG.803

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw, Desc Image

☐ 23. Document ID: US 4396542 A

L4: Entry 23 of 26

File: USPT

Aug 2, 1983

US-PAT-NO: 4396542

DOCUMENT-IDENTIFIER: US 4396542 A

TITLE: Method for the total synthesis of cyclosporins, novel cyclosporins and novel intermediates and methods for their production

DATE-ISSUED: August 2, 1983

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wenger; Roland Riehen CH

US-CL-CURRENT: 530/321; 930/20, 930/21, 930/270, 930/DIG.546

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw Desc Image

24. Document ID: WO 2069902 A2

L4: Entry 24 of 26 File: EPAB

Sep 12, 2002

PUB-NO: WO002069902A2

DOCUMENT-IDENTIFIER: WO 2069902 A2

TITLE: CYCLOSPORINS FOR THE TREATMENT OF RESPIRATORY DISEASES

PUBN-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME

OR, YAT SUN US
LAZAROVA, TSVETELINA US
HAMANN, BLAKE CHRISTOPHER US

INT-CL (IPC): A61 K 0/

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMIC Draw. Desc Image

25. Document ID: WO 9910373 A1 AU 9889189 A US 6270957 B1

L4: Entry 25 of 26

File: DWPI

Mar 4, 1999

DERWENT-ACC-NO: 1999-204649

DERWENT-WEEK: 199917

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Non-immunosuppressive cyclosporin analogs - with amino acid residue

substitutions at positions 1, 3 or 7 of the cyclosporin peptide backbone, useful for

treating HIV infections

INVENTOR: RICH, D H; SOLOMON, M E

PRIORITY-DATA: 1997US-057751P (August 26, 1997), 1999US-0242723 (February 22, 1999)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC C07K007/64 March 4, 1999 177 WO 9910373 A1 000 C07K007/64 AU 9889189 A March 16, 1999 000 C12Q001/70 US 6270957 B1 August 7, 2001

INT-CL (IPC): A61 K 38/13; A61 K 45/00; C07 K 7/64; C12 Q 1/70

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Clip Img Image

26. Document ID: GB 2227244 A US 5227467 A

L4: Entry 26 of 26

File: DWPI

Jul 25, 1990

DERWENT-ACC-NO: 1990-226290

DERWENT-WEEK: 199030

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: New fluorinated cyclosporin analogues - having immunosuppressive activity

used to treat auto-immune and chronic inflammatory diseases

INVENTOR: DURETTE, P L; KOLLONITSC, J ; RESSOLANO, A A ; WITZEL, B E ; KOLLONITSCH,

J ; PESSOLANO, A A

PRIORITY-DATA: 1989US-0298712 (January 19, 1989), 1987US-0081255 (August 3, 1987),

1991US-0693783 (April 29, 1991)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC

GB 2227244 A July 25, 1990 000

US 5227467 A July 13, 1993 013 C07K007/64

INT-CL (IPC): A61K 37/02; C07K 7/64; C07K 99/00

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

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Term	Documents
CYCLOSPORIN.DWPI,TDBD,EPAB,USPT,PGPB.	5694
CYCLOSPORINS.DWPI,TDBD,EPAB,USPT,PGPB.	704
MELEU.DWPI,TDBD,EPAB,USPT,PGPB.	218
MELEUS.DWPI,TDBD,EPAB,USPT,PGPB.	4
ANALOG?	0
ANALOGA.DWPI,TDBD,EPAB,USPT,PGPB.	30
ANALOGE.DWPI,TDBD,EPAB,USPT,PGPB.	91
ANALOGL.DWPI,TDBD,EPAB,USPT,PGPB.	1
ANALOGO.DWPI,TDBD,EPAB,USPT,PGPB.	5
ANALOGR.DWPI,TDBD,EPAB,USPT,PGPB.	
((CYCLOSPORIN SAME ANALOG?) AND MELEU).USPT,PGPB,EPAB,DWPI,TDBD.	26

There are more results than shown above. Click here to view the entire set.

Display Format: -

Change Format

FILE 'HOME' ENTERED AT 17:50:23 ON 30 DEC 2002

=> index chemistry bioscience FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

INDEX 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUIRE, BABS, BIOCOMMERCE, BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN, COMPENDEX, CONFSCI, COPPERLIT, CORROSION, ENCOMPLIT, ENCOMPLIT2, FEDRIP, GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, ...' ENTERED AT 17:50:39 ON 30 DEC 2002

91 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

- => s (cyclosporin (s) analog?) and (pharmaceutical (s) carrier?) and MeLeu 0* FILE FEDRIP
 - 23 FILES SEARCHED...
 - 43 FILES SEARCHED...
 - 68 FILES SEARCHED...
 - 4 FILE IFIPAT
 - 21 FILE USPATFULL
 - 90 FILES SEARCHED...
 - 2 FILES HAVE ONE OR MORE ANSWERS, 91 FILES SEARCHED IN STNINDEX
- QUE (CYCLOSPORIN (S) ANALOG?) AND (PHARMACEUTICAL (S) CARRIER?) AND MELEU

=> file hits

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 3.39 3.18

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 17:54:16 ON 30 DEC 2002 CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'IFIPAT' ENTERED AT 17:54:16 ON 30 DEC 2002 COPYRIGHT (C) 2002 IFI CLAIMS(R) Patent Services (IFI)

=> s 11

L221 FILE USPATFULL

4 FILE IFIPAT L3

TOTAL FOR ALL FILES L425 L1

=> dup rem ENTER L# LIST OR (END):14

PROCESSING COMPLETED FOR L4 21 DUP REM L4 (4 DUPLICATES REMOVED)

=> d 15 1-21 ibib abs

ANSWER 1 OF 21 USPATFULL

2002:259374 USPATFULL

ACCESSION NUMBER:

Cyclosporins for the treatment of respiratory diseases TITLE:

Or, Yat Sun, Cambridge, MA, UNITED STATES INVENTOR(S):

Lazarova, Tsvetelina, Brookline, MA, UNITED STATES

NUMBER KIND DATE PATENT INFORMATION:
APPLICATION INFO.:

US 2002142946 US 2001-800856 A1 20021003 A1 20010305 (9)

DOCUMENT TYPE: FILE SEGMENT:

LINE COUNT:

1 1

Utility APPLICATION

LEGAL REPRESENTATIVE:

SANDHYA L. KALKUNTE, ENANTA PHARMACEUTICALS, INC., 500

ARSENAL STREET, WATERTOWN, MA, 02472

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

11 1 945

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel semisynthetic cyclosporin analogs of Formula (I): ##STR1##

X is absent, --C1-C6 alkyl-, or --C3-C6 cycloalkyl-

Y is selected from the group consisting of:

- (i) C(O)--O--R1, where R1 is hydrogen, C1-C6 alkyl, optionally substituted with halogen, heterocyclic, aryl, C1-C6 alkoxy, C1-C6 alkylthio, halogen-substituted C1-C6 alkoxy, or halogen-substituted C1-C6 alkylthio;
- (ii) C(0)--S--R1, where R1 is as previously defined;
- (iii) C(O)--OCH.sub.2--OC(O)R2, where R2 is C1-C6 alkyl, optionally substituted with halogen, C1-C6 alkoxy; C1-C6 alkylthio, heterocyclic or aryl;
- (iv) C(S)--O--R1, where R1 is as previously defined, and
- (v) C(S)--S--R1, where R1 is as previously defined;

B is -.alpha.Abu-, -Val-, -Thr- or -Nva-; and

U is -(D)Ala-, -(D)Ser-, --[O--(2-hydroxyethyl)(D)Ser]-, --[O-acyl(D)Ser]- or --[O--(2-acyloxyethyl)(D)Ser]-.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 21 USPATFULL

DUPLICATE 1

ACCESSION NUMBER:

2001:125730 USPATFULL

TITLE:

Non-Imuunosuppressive cyclosporins and their use in the

prevention and treatment of HIV infection

INVENTOR(S):

Rich, Daniel H., Madison, WI, United States Solomon, Michael E., Arlington, MA, United States

PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, Madison, WI,

United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6270957 WO 9910373	В1	20010807 19990304	
APPLICATION INFO.:	US 1999-242723		19990222	(9)
	WO 1998-US17542		19980825 19990222	PCT 371 date
			19990222	PCT 102(e) date

NUMBER	DATE

PRIORITY INFORMATION:

US 1997-57751P 19970826 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

GRANTED

PRIMARY EXAMINER: LEGAL REPRESENTATIVE: Park, Hankyel T. Leone, Esq., Joseph T.DeWitt Ross & Stevens S.C.

NUMBER OF CLAIMS:

31

EXEMPLARY CLAIM:

NUMBER OF DRAWINGS:

4 Drawing Figure(s); 4 Drawing Page(s)

LINE COUNT:

٠,

2601

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Disclosed are cyclosporin analogs having amino acid residue substitutions at positions 1, 3, or 7 of the cyclosporin peptide backbone. Also disclosed are conjugates of these cyclosporin analogs in which an HIV protease inhibitor moiety is conjugated to the position-7 amino acid residue of the cyclosporin. These compounds simultaneously bind to and inhibit cyclophilin and HIV protease. The compounds have good bioavailability and potent HIV inhibitory activity. They are useful in the treatment and prevention of HIV-mediated disorders, including AIDS.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 3 OF 21 USPATFULL

ACCESSION NUMBER:

2001:202588 USPATFULL

TITLE:

Cyclosporin a conjugates and uses therefor

INVENTOR(S):

Rich, Daniel H., Madison, WI, United States

Solomon, Michael E., Arlington, MA, United States Wisconsin Alumni Research Foundation, Madison, WI,

PATENT ASSIGNEE(S):

United States (U.S. corporation)

KIND DATE NUMBER US 6316405 B1 20011113 US 1999-242724 19990222 (9) WO 1998-US17544 19980825

19990222 PCT 371 date 19990222 PCT 102(e) date

NUMBER DATE

PATENT INFORMATION: APPLICATION INFO .:

PRIORITY INFORMATION: US 1997-57751P 19970826 (60)

DOCUMENT TYPE: FILE SEGMENT:

Utility GRANTED

PRIMARY EXAMINER:

Carlson, Karen Cochrane

ASSISTANT EXAMINER: Tu, Stephen

LEGAL REPRESENTATIVE: Leone, Esq., Joseph T. Dewitt Ross & Stevens S.C.

NUMBER OF CLAIMS: 13 EXEMPLARY CLAIM: 1 2215 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Disclosed are conjugates of A.beta.-binding peptides and CsA analogs and conjugates of A.beta.-binding peptides and FK506 Binding Peptide inhibitors. These conjugates chemically induce dimerization of either cyclophilin or FK506 Binding Peptide with A.beta. peptide, a major component of amyloid plaques found in neurological disorders such as Alzheimer's disease, multiple sclerosis, and amyotrophic lateral sclerosis. The conjugates are useful in the treatment of neurological diseases involving the formation of amyloid plaques because they inhibit and/or prevent the aggregation and deposition of A.beta. peptide into plaques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 4 OF 21 USPATFULL

ACCESSION NUMBER:

2001:10715 USPATFULL

TITLE:

Screening methods for the identification of anti-HIV compounds employing a cyclosporine-specific monoclonal

antibody that cross-reacts with HIV-1 p24

INVENTOR(S):

Erlanger, Bernard F., Whitestone, NY, United States

Chen, Bi-Xing, New York, NY, United States

PATENT ASSIGNEE(S):

The Trustees of Columbia University in the City of New

	NUMBER	KIND	DATE	
PATENT INFORMATION:	us 6177253 wo 9625175	B1	20010123 19960822	
APPLICATION INFO.:	US 1998-894295 WO 1996-US2129		19980108 19960216	(8)
				PCT 371 date PCT 102(e) date
RELATED APPLN. INFO.:	Continuation of S	Ser. No	. US 1995-	390133, filed on 17

Feb 1995, now patented, Pat. No. US 5604092 Utility DOCUMENT TYPE:

Granted FILE SEGMENT: Scheiner, Laurie PRIMARY EXAMINER: Parkin, Jeffrey S. ASSISTANT EXAMINER:

White, John P. Cooper & Dunham LLP LEGAL REPRESENTATIVE: NUMBER OF CLAIMS:

EXEMPLARY CLAIM: 1

11 Drawing Figure(s); 14 Drawing Page(s) NUMBER OF DRAWINGS:

1749 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The subject invention provides new uses for novel derivatives of cyclosporine A and antibodies directed thereto. Specifically, the derivatives and antibodies are useful in methods of treating AIDS, methods of purifying the Gag protein of HIV, methods of screening for anti-HIV compounds, and methods for detecting HIV in a subject. The derivatives and antibodies can also be incorporated into a kit useful for screening for anti-HIV compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 5 OF 21 USPATFULL

ACCESSION NUMBER: 1999:120921 USPATFULL

Pharmaceutical compositions comprising cyclosporins TITLE: Hauer, Birgit, Lahr, Germany, Federal Republic of INVENTOR(S): Meinzer, Armin, Freiburg, Germany, Federal Republic of

Posanski, Ulrich, Freiburg, Germany, Federal Republic

Richter, Friedrich, Schonbuhl-Urtenen, Switzerland

D B M D

Novartis G, Basel, Switzerland (non-U.S. corporation) PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5962017		19991005	
APPLICATION INFO.:	US 1998-24521		19980217	(9)
RELATED APPLN. INFO.:	Division of Ser.	No. US	1995-4307	70, f

filed on 27 Apr 1995, now patented, Pat. No. US 5741512 which is a continuation of Ser. No. US 1994-259951, filed on 15 Jun 1994, now abandoned which is a division of Ser. No. US 1992-990734, filed on 15 Dec 1992, now patented, Pat. No. US 5342625 which is a continuation of Ser. No. US 1991-680211, filed on 4 Apr 1991, now abandoned which is a continuation of Ser. No. US 1989-406656,

filed on 19 Sep 1989, now abandoned

IZTNID

	NUMBER	DATE
		10000016
PRIORITY INFORMATION:	GB 1988-21754	19880916
	GB 1989-2900	19890209
	GB 1989-2903	19890209
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kishore, Gollamudi	S.
LEGAL REPRESENTATIVE:	Mathias, Marla J.	

198 NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1

4 Drawing Figure(s); 4 Drawing Page(s) NUMBER OF DRAWINGS:

LINE COUNT: 2736

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Pharmaceutical compositions comprising a cyclosporin, e.g. Ciclosporin or [Nva].sup.2 -Ciclosporin, in "microemulsion pre-concentrate" and microemulsion form. The compositions typically comprise (1.1) a C.sub.1-5 alkyl or tetrahydrofurfuryl di- or partial-ether of a low molecular weight mono- or poly-oxy-alkane diol, e.g. Transcutol or Glycofurol, as hydrophilic component. Compositions are also provided comprising a cyclosporin and (1.1) and, suitably, also a saccharide monoester, e.g. raffinose or saccharose monolaurate. Dosage forms include topical formulations and, in particular, oral dosage forms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 6 OF 21 USPATFULL

1998:68992 USPATFULL ACCESSION NUMBER:

TITLE:

Cyclosporins

INVENTOR(S):

Ko, Soo Young, London, Great Britain

Kobel, Hans, Basel, Switzerland

Besemer-Rosenwirth, Brigitte, Modling, Austria

Seebach, Dieter, Zurich, Switzerland Traber, Rene P., Basel, Switzerland Wenger, Roland, Riehen, Switzerland

Bollinger, Pietro, Bottmingen, Switzerland

PATENT ASSIGNEE(S):

Novartis AG, Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE	
US	5767069		19980616	
US	1995-427312		19950424	(8)

PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

Continuation of Ser. No. US 1994-232795, filed on 25 Apr 1994, now abandoned which is a continuation of Ser. No. US 1993-57067, filed on 3 May 1993, now abandoned which is a continuation of Ser. No. US 1991-785959,

filed on 31 Oct 1991, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1990-23859	19901102
	GB 1990-23970	19901105
	GB 1990-23971	19901105
	GB 1990-23972	19901105
	GB 1991-16836	19910805
DOCUMENT TYPE:	Utility	
ETTE SECMENT.	Granted	

FILE SEGMENT:

Achutamurthy, Ponnathapura Wessendorf PRIMARY EXAMINER:

ASSISTANT EXAMINER:

LEGAL REPRESENTATIVE: Mathias, Marla J., McGovern, Thomas O.

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

NUMBER OF DRAWINGS: 3 Drawing Figure(s); 3 Drawing Page(s)

779 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Nonimmunosuppressant cyclosporin derivatives having cyclophilin-binding activity, for example, the compound, [MeIle].sup.4 -ciclosporin, are useful in inhibiting HIV-1 replication in treating AIDS and AIDS related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 7 OF 21 USPATFULL

97:56636 USPATFULL ACCESSION NUMBER:

TITLE:

O-acylated cyclosporins

INVENTOR(S):

Boelsterli, Johann Jakob, Buus, Switzerland Eberle, Marcel Karl, Riehen, Switzerland Naef, Reto, Rheinfelden, Switzerland

Payne, Trevor Glyn, Berne, Switzerland

PATENT ASSIGNEE(S):

Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

KIND DATE NUMBER ______

PATENT INFORMATION: APPLICATION INFO.: US 5643870 19970701 US 1993-23525 19930226 19930226 (8)

NUMBER DATE _____ ___

PRIORITY INFORMATION:

GB 1992-4466 19920302

DOCUMENT TYPE: FILE SEGMENT:

Utility Granted

PRIMARY EXAMINER: ASSISTANT EXAMINER: Tsang, Cecilia Marshall, S. G.

LEGAL REPRESENTATIVE:

Honor, Robert S., Kassenoff, Melvyn M., McGovern,

Thomas O.

NUMBER OF CLAIMS: EXEMPLARY CLAIM:

11

LINE COUNT:

770

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

A cyclosporin of the formula ##STR1## wherein A is a residue of the formula ##STR2## wherein R is hydrogen, C.sub.1-3 alkyl, C.sub.1-3 alkoxy or C.sub.1-3 alkylthio; halo-substituted-C.sub.1-3 alkyl, -C.sub.1-3 alkoxy or -C.sub.1-3 alkylthio; hydroxy-substituted-C.sub.1-3 alkyl, -C.sub.2-3 alkoxy or -C.sub.2-3 alkylthio; or amino or mono- or di-(C.sub.1-2 alkyl)-amino,

X is oxygen or sulphur,

--x--y-- is --CH.dbd.CH-- (trans) or --CH.sub.2 --CH.sub.2 --,

B is -.alpha.Abu-, -Val-, -Thr- or -Nva- and

Q is -(D) Ala-; -(D) Ser-; -[O-(2-hydroxyethyl)(D) Ser]-; or -[O-acyl(D)Ser] - or -[O-(2-acyloxy ethyl)(D)Ser]-

in which the acyl residue is physiologically hydrolysable and acceptable, are useful in the topical treatment of asthma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 8 OF 21 USPATFULL

ACCESSION NUMBER:

97:14569 USPATFULL

TITLE:

Method for the detection of HIV-1 using a

cyclosporine-specific monoclonal antibody that reacts

with the P24 Gag protein

INVENTOR(S):

Erlanger, Bernard F., Whitestone, NY, United States

אבאנט טאבה

Chen, Bi-Xing, New York, NY, United States

PATENT ASSIGNEE(S):

The Trustees of Columbia University in the City of New York, New York, NY, United States (U.S. corporation)

	NOMBER	VIMD	DAIL	
PATENT INFORMATION:	US 5604092		19970218	
APPLICATION INFO.:	US 1995-390133		19950217	(8)

MILIMEDED

Continuation-in-part of Ser. No. US 1993-6169, filed on RELATED APPLN. INFO.: 15 Jan 1993, now patented, Pat. No. US 5405785 which is a continuation of Ser. No. US 1992-869219, filed on 13 Apr 1992, now abandoned which is a continuation of Ser. No. US 1988-280009, filed on 5 Dec 1988, now abandoned

DOCUMENT TYPE: FILE SEGMENT:

Utility Granted

PRIMARY EXAMINER: ASSISTANT EXAMINER: Budens, Robert D. Parkin, Jeffrey S. White, John P.

LEGAL REPRESENTATIVE: NUMBER OF CLAIMS:

EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

19 Drawing Figure(s); 14 Drawing Page(s)

LINE COUNT:

1725

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Monoclonal antibodies to cyclosporine A (CsA), a potent immunosuppressant, were generated in Balb/c mice using a novel antigen prepared by linking CsA to a protein carrier via a photoactive cross-linking reagent, 4-benzoylbenzoic acid (BBa). Twenty-two monoclonal anti-CsA antibodies were generated, using CsA-BBa-bovine serum albumin (CsA-BBa-BSA) as the immunogen. Epitope mapping studies were performed using a series of singly substituted CsA derivatives and an antibody was identified that recognizes N-methyl leucine residues 9 and 10 of CsA. This antibody also cross-reacts with the HIV-1 Gag protein. A method for the detection of HIV-1 in patient samples

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 9 OF 21 USPATFULL

ACCESSION NUMBER:

96:50887 USPATFULL

employing this monoclonal antibody is disclosed.

TITLE:

INVENTOR(S):

Cyclosporins and their use as pharmaceuticals Bollinger, Pietro, Bottmingen, Switzerland Bolsterli, Johann J., Buus, Switzerland Payne, Trevor G., Bern; all of, Switzerland

PATENT ASSIGNEE(S):

Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

	NUMBER	KIND	DATE	
		-		
MATION:	US 5525590		19960611	
INFO.:	US 1994-337346		19941110	(8)

PATENT INFORM APPLICATION I RELATED APPLN. INFO .:

Continuation of Ser. No. US 1993-67274, filed on 24 May 1993, now abandoned which is a continuation of Ser. No. US 1992-874676, filed on 27 Apr 1992, now abandoned which is a continuation of Ser. No. US 1991-704758, filed on 23 May 1991, now abandoned which is a continuation of Ser. No. US 1988-208422, filed on 17

Jun 1988, now abandoned

		NUMBER	DATE
PRIORITY	INFORMATION:	GB 1987-14090	19870617
		GB 1987-14093	19870617
		GB 1987-14098	19870617
		GB 1987-14100	19870617
		GB 1987-14115	19870617
		GB 1987-14118	19870617
		GB 1987-14119	19870617
		GB 1987-14125	19870617
DOCUMENT	TYPE:	Utility	
		a 1 3	

FILE SEGMENT:

Granted

PRIMARY EXAMINER:

Russel, Jeffrey E.

LEGAL REPRESENTATIVE:

Honor, Robert S., Kassenoff, Melvyn M., McGovern,

Thomas O.

5 NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1 LINE COUNT: 2011

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Cyclosporins wherein the residue at the 1-position (typically -MeBmt- or -dihydro-MeBmt-) is 3'O-acylated or 3'-oxo or -C.sub.1-4 alkoxyimino

substituted, or wherein the residue at the 2-position is .beta.-O-acyl or .beta.-oxo substituted, or wherein the residue at the 2-position is -Ile-, or wherein the residue at the 11-position is -MeAls-, -MeIle- or -MealloIle- as well as various naturally occurring cyclosporins/dihydroderivatives thereof, are useful in reversing resistance to chemotherapy, in particular resistance to cytostatic or anti-neoplastic therapy. Various of these cyclosporins and intermediates for their production are novel. Intermediates wherein the residue (e.g. -MeBmt-, -dihydro-MeBmtetc.) at the 1-position is 8'-alkoxy or 7'-desmethyl-7'-hydrocarbyl substituted are novel and useful as immunosuppressants, anti-inflammatory and anti-parasitic agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 10 OF 21 USPATFULL

94:84081 USPATFULL ACCESSION NUMBER:

Derivatives of cyclosporina A, antibodies directed TITLE:

thereto and uses thereof

Erlanger, Bernard F., Whitestone, NY, United States INVENTOR(S):

Cleveland, William L., New York, NY, United States Cacalano, Nicholas A., Irvington, NY, United States

The Trustees of Columbia University in the City of New PATENT ASSIGNEE(S):

York, NY, United States (U.S. corporation)

NUMBER KIND DATE

US 5350574 19940927 US 1991-699468 19910513 (7) PATENT INFORMATION:

APPLICATION INFO.: RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1988-280009, filed

on 5 Dec 1988, now abandoned

DOCUMENT TYPE: Utility Granted FILE SEGMENT: PRIMARY EXAMINER: Kim, Kay K. LEGAL REPRESENTATIVE: White, John P.

NUMBER OF CLAIMS: 27 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 11 Drawing Figure(s); 11 Drawing Page(s)

1350 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

This invention provides a molecule comprising cyclosporine A or a congener of cyclosporine A which is photochemically attached to a ligand containing a reactive group. This invention also provides a composition of matter which comprises a conjugate of a compound and the aforementioned molecule wherein the compound is bound to the molecule through the reactive group. This invention further provides an antibody directed to the aforementioned composition of matter specific for cyclosporine A or congener of cyclosporine A. This invention also provides methods for detecting the presence of cyclosporine A or congener thereof, methods for detecting the concentration of cyclosporine A or congener thereof, as well as a method of monitoring levels of cyclosporine A or congener of cyclosporine A in a subject. Finally, this invention provides a method of reducing the amount of endogenous immunoregulatory substances, a method of testing the potential of a pharmalogical agent as an immunoactive agent, as well as a method of testing a pharmalogical agent for immunosuppressive activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 11 OF 21 USPATFULL

DUPLICATE 2

ACCESSION NUMBER: 93:67600 USPATFULL

TITLE:

6-position cyclosporin a analogs as modifiers of cytotoxic drug resistance

INVENTOR(S):

Durette, Philippe L., New Providence, NJ, United States

PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S.

DISCLAIMER DATE: 20070403

RELATED APPLN. INFO.: Continuation of Ser. No. US 1989-425262, filed on 23 Oct 1989, now abandoned which is a continuation-in-part

of Ser. No. US 1987-121827, filed on 16 Nov 1987, now patented, Pat. No. US 4914188, issued on 3 Apr 1990

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Chan, Y. Christina

LEGAL REPRESENTATIVE: Panzer, Curtis C., Speer, Raymond M.

NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 5
LINE COUNT: 840

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Cyclosporin analogs containing a MeAla or MeAbu residue at the 6-position of the cyclic undecapeptide have been discovered to sensitize multidrug resistant cells to certain chemotherapeutic agents. These cyclosporin analogs have also been shown to increase the sensitivity of cells already susceptible to the chemotherapeutic agents. In addition, these cyclosporin A analogs lack the nephrotoxic and

cyclosporin A analogs lack the nephrotoxic and immunosuppressive activity of cyclosporin A.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 21 USPATFULL

PATENT ASSIGNEE(S):

ACCESSION NUMBER: 93:42149 USPATFULL

TITLE: Synthesis of novel immunosuppressive

cyclosporin analogs with modified

amino acids at position-8

INVENTOR(S): Patchett, Arthur A., Westfield, NJ, United States

Taub, David, Metuchen, NJ, United States

Goegelman, Robert T., Linden, NJ, United States Merck & Co., Inc., Rahway, NJ, United States (U.S.

corporation)

RELATED APPLN. INFO.: Division of Ser. No. US 1990-485920, filed on 27 Feb

1990, now patented, Pat. No. US 5122511

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted

PRIMARY EXAMINER: Lee, Lester L.
ASSISTANT EXAMINER: Davenport, A. M.

LEGAL REPRESENTATIVE: Panzer, Curtis C., Speer, Raymond M.

NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 637

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB New immunosuppressive cyclosporin analogs are disclosed consisting of [dehydro-Ala].sup.8 cyclosporins and derived therefrom cyclosporins having a sulfur containing

amino acid at position-8.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 21 USPATFULL

ACCESSION NUMBER: 92:49045 USPATFULL

TITLE:

Immunosuppressive cyclosporin analogs

with modified amino acids at position-8

INVENTOR(S):

Patchett, Arthur A., Westfield, NJ, United States

Taub, David, Metuchen, NJ, United States

Goegelman, Robert T., Linden, NJ, United States

Merck & Co., Inc., Rahway, NJ, United States (U.S.

corporation)

NUMBER KIND DATE ______

PATENT ASSIGNEE(S):

PATENT INFORMATION: US 5122511 19920616
APPLICATION INFO.: US 1990-485920 19900227 (7)
DOCUMENT TYPE: Utility

DOCUMENT TYPE:

FILE SEGMENT: Granted
PRIMARY EXAMINER: Lee, Lester L.
ASSISTANT EXAMINER: Davenport, A. M.

LEGAL REPRESENTATIVE: Panzer, Curtis C., Pfeiffer, Hesna J.

NUMBER OF CLAIMS: 11 EXEMPLARY CLAIM: 1 670 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

New immunosuppressive cyclosporin analogs are

disclosed consisting of [dehydro-Ala].sup.8 cyclosporins and derived therefrom cyclosporins having a sulfur containing

amino acid at position-8.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 14 OF 21 USPATFULL

ACCESSION NUMBER: 92:42742 USPATFULL

INVENTOR(S):

TITLE:

Cyclosporin peptolides having an .alpha.-

hydroxycarboxylic acid at position 8 Dreyfuss, Michael M., Basel, Switzerland

Schreier, Max H., Basel, Switzerland Tscherter, Hans, Allschwil, Switzerland

PATENT ASSIGNEE(S):

Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

NUMBER KIND DATE ______ PATENT INFORMATION: US 5116816 19920526 APPLICATION INFO.: US 1988-209680 19880620 (7)

NUMBER DATE _____ PRIORITY INFORMATION: CH 1987-2317 19870619
CH 1987-2517 19870702
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Chan, Christina

LEGAL REPRESENTATIVE: Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas ο.

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1,9 511

LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Cyclic peptolides having the structure of a cyclosporin in which one amide linkage is replaced by an ester linkage are obtained by fermentation of fungal strains of the genus Cylindrotrichum Bonorden, or by cyclization of a hydroxy-undecapeptide. The cyclic peptolides have immunosuppressive, anti-inflammatory and anti-parasitic properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 15 OF 21 USPATFULL

ACCESSION NUMBER: 89:97334 USPATFULL

DUPLICATE 3

Cyclosporin analogs with modified TITLE:

"C-9 amino acids"

Witzel, Bruce E., Westfield, NJ, United States INVENTOR(S):

Merck & Co., Inc., Rahway, NJ, United States (U.S. PATENT ASSIGNEE(S):

corporation)

NUMBER KIND DATE _____

US 4885276 US 1988-261868 PATENT INFORMATION:
APPLICATION INFO.:
DISCLAIMER DATE: 19891205 19881024 (7)

20060117 DISCLAIMER DATE:

RELATED APPLN. INFO.: Division of Ser. No. US 1987-57196, filed on 3 Jun 1987

DOCUMENT TYPE: Utilitv

FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert R.

LEGAL REPRESENTATIVE: North, Robert J., DiPrima, Joseph F.

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1 668 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

New cyclosporin analogs with modified "C-9 amino

acids" have been made and are found to be effective immunosuppressive

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DUPLICATE 4 ANSWER 16 OF 21 USPATFULL

ACCESSION NUMBER:

89:4543 USPATFULL

TITLE:

New cyclosporin analogs with modified "C-9 amino acids"

INVENTOR(S): PATENT ASSIGNEE(S):

Witzel, Bruce E., Westfield, NJ, United States Merck & Co., Inc., Rahway, NJ, United States (U.S.

corporation)

NUMBER KIND DATE _____

PATENT INFORMATION: US 4798823 19890117
APPLICATION INFO.: US 1987-57196 19870603 (7)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert R.

LEGAL REPRESENTATIVE: DiPrima, Joseph F., Sudol, Michael C., Monaco, Mario A.

NUMBER OF CLAIMS: 19 EXEMPLARY CLAIM: 1 778 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

New cyclosporin analogs with modified "C-9 amino ΔR

acids" have been made and are found to be effective immunosuppressive

agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ANSWER 17 OF 21 USPATFULL

ACCESSION NUMBER: 88:59156 USPATFULL Novel cyclosporins TITLE:

Seebach, Dieter, Zurich, Switzerland INVENTOR(S):

Sandoz Ltd., Basel, Switzerland (non-U.S. corporation) PATENT ASSIGNEE(S):

> NUMBER KIND DATE ________

US 4771122 PATENT INFORMATION: 19880913 19871001 (7) US 1987-103990 APPLICATION INFO.:

Division of Ser. No. US 1986-837434, filed on 7 Mar RELATED APPLN. INFO.: 1986, now patented, Pat. No. US 4703033

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Phillips, Delbert R.

LEGAL REPRESENTATIVE: Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas

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NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 1157

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cylosporins e.g. of formula II ##STR1## in which X is -MeBmt- or -dihydro-MeBmt- and

Y is -.alpha.Abu-, -Thr-, -Val- or -Nva-,

wherein the residue at the 3-position, i.e. the residue Z in formula II, is an optically active, .alpha.-N-methylated .alpha.-amino acid residue of the (D)-configuration, possess pharmaceutical, in particular immunosuppressive, anti-inflammatory and anti-parasitic activity, Intermediate cyclosporin poly-anions having a de-protonated sarcosyl residue at the 3-position, e.g. polyanions of cyclosporins of formula II above wherein X and Y have the meanings given above and Z is -Sar-, in which the said residue Z is de-protonated, are also novel and part of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 21 USPATFULL

ACCESSION NUMBER: 88:52079 USPATFULL
TITLE: Novel cyclosporins

INVENTOR(S): Wenger, Roland, Riehen, Switzerland

PATENT ASSIGNEE(S): Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

NUMBER KIND DATE
----US 4764503 19880816
US 1987-49746 19870513 (7)

APPLICATION INFO.: US 1987-49746 19870513 (7)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1986-932760, filed on 19

Nov 1986, now abandoned which is a continuation of Ser. No. US 1985-713259, filed on 19 Mar 1985, now abandoned

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Phillips, Delbert R.

LEGAL REPRESENTATIVE: Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas

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NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 888

PATENT INFORMATION:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Cyclosporins wherein the amino acid residue at the 8-position is a (D)-acyloxy-.alpha.-amino acid residue, typically of formula ##STR1## wherein X=--MeBmt-- or --dihydro--MeBmt--, Y=-.alpha.Abu--, --Ala--, --Thr--, --Val-- or --Nva--, Z=--Val-- or --Nva-- and Q=R.sub.1 --CO--O--CH(R.sub.2)--CH(CO--)--NH-- wherein R.sub.1 =H, C.sub.1-4 alkyl or phenyl and R.sub.2 =H or CH.sub.3, possess immunosuppressive, anti-inflammatory and anti-parasitic activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 21 USPATFULL

ACCESSION NUMBER: 87:75000 USPATFULL

TITLE:

Novel cyclosporins

INVENTOR(S):

Seebach, Dieter, Zurich, Switzerland

PATENT ASSIGNEE(S):

Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

NUMBER KIND DATE _____

PATENT INFORMATION: US 4703033 19871027 APPLICATION INFO.: US 1986-837434 19860307

19860307 (6)

NUMBER DATE _____

PRIORITY INFORMATION: GB 1985-6230 19850311 GB 1985-11029 19850501 GB 1986-2370 19860131

DOCUMENT TYPE:

Utility

FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert K.

LEGAL REPRESENTATIVE: Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 17

LINE COUNT:

1262

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Cyclosporins e.g. of formula II ##STR1## in which X is -MeBmt- or

-dihydro-MeBmt- and

Y is -.alpha.Abu-, -Thr-, -Val- or -Nva-,

wherein the residue at the 3-position, i.e. the residue Z in formula II, is an optically active, .alpha.-N-methylated .alpha.-amino acid residue of the (D)-configuration, possess pharmaceutical, in particular immunosuppressive, anti-inflammatory and anti-parasitic activity. Intermediate cyclosporin poly-anions having a de-protonated sarcosyl residue at the 3-position, e.g. polyanions of cyclosporins of formula II above wherein X and Y have the meanings given above and Z is -Sar-, in which the said residue Z is de-protonated, are also novel and part of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 20 OF 21 USPATFULL

ACCESSION NUMBER: 87:6447 USPATFULL

TITLE:

Novel cyclosporins

INVENTOR(S):

Wenger, Roland, Riehen, Switzerland Traber, Rene P., Basel, Switzerland Kobel, Hans, Basel, Switzerland

Hofmann, Hans, Ettingen, Switzerland

PATENT ASSIGNEE(S):

Sandoz Ltd., Basel, Switzerland (non-U.S. corporation)

NUMBER KIND DATE _____

PATENT INFORMATION:

19870127

APPLICATION INFO.:

US 4639434 US 1985-713429

19850319 (6)

NUMBER DATE _____

PRIORITY INFORMATION: GB 1984-7618 19840323 GB 1984-11922 19840510

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Phillips, Delbert R.

LEGAL REPRESENTATIVE: Sharkin, Gerald D., Honor, Robert S., McGovern, Thomas

NUMBER OF CLAIMS:

6

EXEMPLARY CLAIM:

1

LINE COUNT:

880

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Cyclosporins wherein the amino acid residue at the 8-position is a AB (D)-acyloxy-.alpha.-amino acid residue, typically of formula ##STR1## wherein X=-MeBmt- or -dihydro-MeBmt-, Y=-.alpha.Abu-, -Ala-, -Thr-, -Val- or -Nva-, Z=-Val- or -Nva- and Q=R.sub.1 --CO--O--CH(R.sub.2)--CH(CO--)--NH--wherein R.sub.1 =H, C.sub.1-4 alkyl or phenyl and R.sub.2 =H or CH.sub.3, possess immunosuppressive, anti-inflammatory and anti-parasitic activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 21 USPATFULL

ACCESSION NUMBER: 83:20329 USPATFULL

TITLE:

Novel cyclosporins

INVENTOR(S):

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PATENT ASSIGNEE(S):

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NUMBER KIND DATE

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NUMBER OF CLAIMS:

9

EXEMPLARY CLAIM: 1
UTNE COUNT: 480

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Novel cyclosporins having an -Allylgly- residue in the 2-position and/or

a -(D)-Ser- residue in the 8-position and process for their production.

The novel cyclosporins are useful as pharmaceuticals, e.g. as

immunosuppressive and anti-inflammatory agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.